

ABSTRACT

A machine reaming tool comprises a reaming head or interchangeable head (1) and a shaft (2), wherein the interchangeable head (1) is of one piece and may be exchanged, and in the axial direction and at each location, thus including means for the exchange adaptation, is thinner than a maximal thickness h_{\max} , wherein this maximal thickness h_{\max} is computed in millimetres from a diameter $D1$ of the interchangeable head in millimetres as $h_{\max} = 6\text{mm} + (1/10) \cdot (D1 - 12\text{mm})$. On account of this, a guide portion (18) for cutters of the reaming head (1) becomes very much shorter than usual, but despite this ensures an adequate quality of machining.

In a preferred embodiment of the invention, the interchangeable head (1) in a plane shaft-side end-face (15) comprises cutout (11) for the centring fastening on the shaft (2). The shaft (2) on an end-side plane surface (25) comprises a connection lug (21) which projects out of this plane surface in the axial direction and to which the cutout (11) of the interchangeable head (1) corresponds. The interchangeable head (1) thus has no axially projecting lug. The material requirement is further reduced, the manufacture of the interchangeable head (1) is simplified, and the material and manufacturing costs are reduced on account of this.

(Fig. 1)